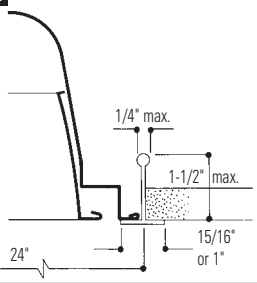
Deepcel *Plus* **DPA2G16LS26U**

2' x 2' Recessed Fluorescent, 3", 16 Cell Parabolic Louver Static or Air Supply/Return, 2 Lamp 6"U T8

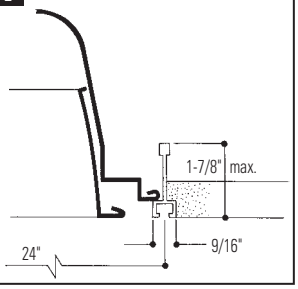
- 5" deep body.
- 61.6% efficient.
- Clean contoured interior.
- Eyeleted heat removal vents in fixture ends.
- One piece housing.
- Black exterior for cooler ballast operating temperature.
- Hemmed over side rails for safe handling.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips (patent no. 5,072,344).
- Pre-anodized aluminum parabolic louver.
- Vertical grain louver eliminates reflected lamp images on cross baffle.
- Spring loaded latches.
- 18 gauge steel hinges.
- Louver frame with integral positive light stop.
- Louver has protective film dust guard.
- Construction to meet NYC Code or Chicago Plenum requirements is available.

Mounting Methods

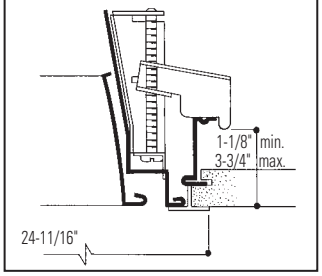
G exposed T-grid ceiling.



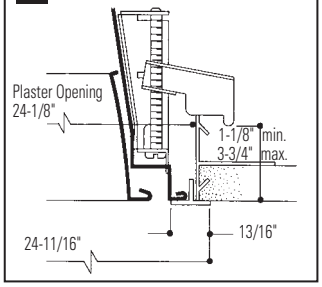
T exposed slot T-grid ceiling.



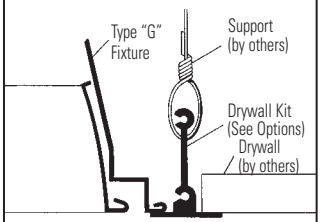
F concealed Z-spline ceiling.



F plaster ceiling/flanged.

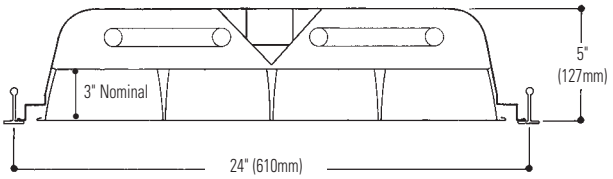


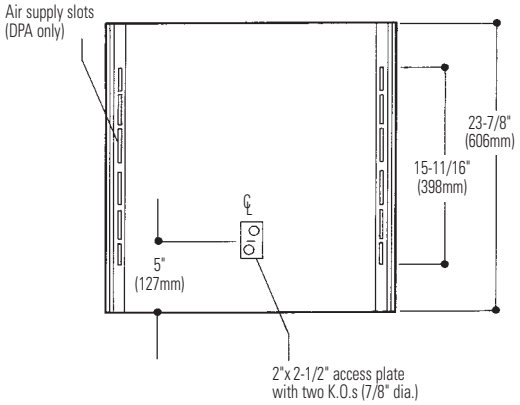
drywall kit.



Order Catalog Number: **FK92X2**.

Dimensions





Job Information	**Type:**
Job Name:	
Cat. No.:	
Lamp(s):	
Volts/Ballast:	

Lightolier a Genlyte company www.lightolier.com
Technical Information: (978) 657-7600 • Fax (978) 658-0595
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
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LIGHTOLIER®

Deepcel *Plus* DPA2G16LS26U

2' x 2' Recessed Fluorescent, 3", 16 Cell Parabolic Louver Static or Air/Return, 2 Lamp 6"U T8

Photometry

Model No. DPA2G16LS26U120SO

LER = FP - 49.4 IW - 57.5 BF - 0.87
Comparative yearly lighting energy cost per 1000 lumens = $4.86

GL TESTING LABORATORY
45 Industrial Way
Wilmington, MA 01887
(978) 657-7600

REPORT NO.: G00030 DATE: 03-24-2000
CATALOG NO.: DPA2G16LS26U120SO
LAMP(S): 2 T* U6, EACH RATED 2750 LUMENS.
LUMINAIRE: 2X2 TROFFER WITH 4X4 16 CELL LI SEMISPECULAR LOUVER.
0.48 AMPS 57.5 WATTS

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	1573	1573	1573	1573	1573	
5	1567	1566	1568	1575	1578	150
15	1480	1495	1544	1599	1618	437
25	1353	1390	1459	1535	1575	673
35	1178	1224	1274	1308	1331	786
45	951	966	907	862	892	706
55	600	570	505	530	566	486
65	86	93	104	110	110	125
75	16	17	18	19	19	20
85	2	3	3	3	3	3
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY

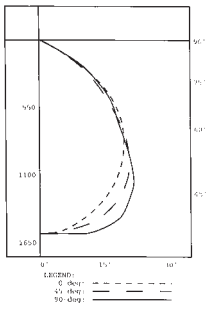
ZONE	LUMENS	%LAMP	%FIXT
0- 30	1260	22.9	37.2
0- 40	2047	37.2	60.4
0- 60	3238	58.9	95.6
0- 90	3386	61.6	100.0
90-180	0	0.0	0.0
0-180	3386	61.6	100.0

TOTAL LUMINAIRE EFFICIENCY = 61.6 %
TOTAL REFLECTANCE OF PAINT = 90.0 %
CIE TYPE - DIRECT

PLANE	: 0-DEG	90-DEG
SPACING CRITERIA	: 1.2	1.3
SHIELDING ANGLES	: 35	35
PLANE	: 0-DEG	90-DEG
LUMINOUS LENGTH	:21.000	21.000

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	4725.	4507.	4432.
55	3675.	3093.	3467.
65	715.	865.	914.
75	217.	244.	258.
85	81.	121.	121.



THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES • FIELD PERFORMANCE MAY VARY FROM LABORATORY PERFORMANCE.

coefficients of utilization — zonal cavity method

RF		20			20			20		
RC		80			50			30		
RW	70	50	30	50	30	10	50	30	10	
room cavity ratio 1	69	66	64	63	61	60	60	59	58	
2	64	60	56	57	54	52	55	52	51	
3	59	54	50	51	48	45	49	47	44	
4	55	48	44	46	42	40	45	42	39	
5	51	44	39	42	38	35	41	37	35	
6	47	40	35	38	34	31	37	34	31	
7	44	36	31	35	31	28	34	30	28	
8	41	33	29	32	28	25	31	28	25	
9	38	31	26	30	26	23	29	25	23	
10	36	28	24	28	24	21	27	23	21	

visual comfort probability (VCP) average 100 fc; reflectances 80/50/20

room size		ceiling height				ceiling height			
W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	79	73	66	70	79	72	67	72
20	30	82	75	70	66	81	75	69	65
20	40	84	78	73	69	83	77	73	68
20	60	85	80	76	72	84	79	75	71
30	20	83	77	69	70	83	77	69	71
30	30	85	79	72	66	84	79	72	66
30	40	86	81	75	69	86	81	74	68
30	60	87	83	77	72	87	82	77	71
30	80	87	83	79	74	87	84	78	73
40	20	84	80	73	71	84	80	74	72
40	30	86	81	76	68	86	81	75	68
40	40	87	83	78	71	87	83	77	70
40	60	88	84	80	73	88	84	79	72
40	80	88	84	81	75	88	85	81	74
40	100	88	84	81	77	88	85	82	76
60	30	87	82	77	71	86	82	77	71
60	40	88	84	79	73	87	84	79	73
60	60	89	85	81	75	88	85	81	74
60	80	89	85	82	77	89	86	82	76
60	100	89	86	83	79	89	86	83	78
100	40	88	84	81	75	87	84	80	74
100	60	89	85	82	77	88	85	81	76
100	80	89	86	83	79	89	86	83	78
100	100	89	86	84	80	89	86	84	80

luminaries lengthwise

luminaries crosswise

Ordering Information

Explanation of Catalog Number. Example: DPA2G16LS26U120SOCP

		2		16		S	2	6U			
Deepcel Plus Parabolic: Pre-anodized aluminum louver	**Body Style:** **A**=Air Supply **S**=Static	**Fixture Width**	**Ceiling Type:** **G**= Grid (lay-in T bar) **F**= Flanged (over lap) Z spline and plaster frame **T**= Slot grid or two-directional concealed T (see options)	**Number of Cells:** **16**=4 rows of 4	**Louver Finish:** **L** = Low iridescence Semi-specular (standard) **P** =Low iridescence Specular **W** =White Baked Enamel	**Single "V" Reflector**	**Lamp Quantity**	**Lamp Type/ Fixture Length:** 6"U Lamp T8 or T12 (Nominal 24") **Note:** For **Linear T5 Lamp** option, consult factory	**Voltage:** 120, 277 or **UNV**=120-277	**Ballast Type:**	**Options:** Add appropriate suffix to catalog no., ie: (CP)

DP Standard Deepcel

DY For NYC Code – I.B.E.W. Manufactured

ND For NYC Code – Local 3 Manufactured 5½" Deep Body

Ballast Type:

	<20THD	<10THD
1-2 Lamp Elec. T8	**SO** *	**HI** *
LOL T8 Dimming	**PS**	–

*Instant Start Standard

Other dimming options. Consult factory.

NOTE:
For **T8 UNV**, you must use **HI** Ballast Code.

Options/Accessories

Plaster Frame: Catalog Number: **PF22**.
Continuous Row Installation: For F type fixtures, half width flanges are required between fixtures. Order Catalog Number: **2FC TRIM CSP** (each joint).
Radio Interference Filter: To order one RIF per fixture; SUFFIX: **R**. To order one RIF per ballast; SUFFIX: **B**.
Electrical Wiring Options: Consult factory.
Air Closure Strip: SUFFIX: **ACS2** (factory installed).
Drywall Kit: Order Catalog Number: **FK92X2**. (Request Folio OA30-10 Rev. A).
Chicago Plenum: SUFFIX: **CP**.

Specifications

Performance: In an installation of 2 lamp 31W luminaires in a room cavity ratio of 1, reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .66. To prevent glare the VCP shall be not less than 74 either lengthwise or crosswise (at 100fc level) and the average brightness at 65° shall not exceed 914 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 62.8%.
Air Handling (DPA only) side air pasaages for air supply or air return. Supply air is discharged vertically. Optional side closure strips. Air return is also provided through the lamp compartment through fixture body ends.
Materials: **Chassis parts** are die-formed code gauge cold rolled steel. Housing is ribbed for rigidity with side rails hemmed over and housing ends turned-in for safe handling. **Louver** is pre-anodized aluminum (Coilzak® or equal.

Specifications (continued)

Finish: **Chassis exterior**–black baked polyester enamel. **Cavity**–white baked polyester enamel minimum 86% reflectance. Phosphate undercoating. **Louver**–low iridescence semi-specular anodized vertical grain aliminum reflector sheet is standard.
Electrical: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.
Labels: I.B.E.W. UL and ULc Listed.

Job Information **Type:**

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